IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of)	Attorney Docket No.: **ASAIN0175**
)	
Shugo USAMI et al.)	Confirmation No. 1796
)	
Serial No.: 10/595,047)	Group Art Unit: Unassigned
)	
Filed: January 17, 2006)	Examiner: Unassigned
)	
For: METHOD AND PROGRAM FOR)	Date: April 13, 2006
GENERATING VOLUME DATA)	
FROM BOUNDARY)	
REPRESENTATION DATA)	

INFORMATION DISCLOSURE STATEMENT

MAIL STOP: Amendment

United States Patent and Trademark Office
Customer Service Window
Randolph Building
401 Dulany Street
Alexandria, VA 22314

Sir:

In accordance with the duty of disclosure as set forth in 37 C.F.R. §1.56, this

Information Disclosure Statement in connection with the above-identified application is being

filed in accordance with 37 C.F.R. §1.97(b):

X   within three months of the filing date of this application (not a C.P.A.);

    —   within three months of the date of entry of the National Stage;

    —   before the mailing date of a first Office Action on the merits; or

    —   before the mailing of a first Office Action on the merits of, after the filing of a
Request for Continued Examination (RCE) under §1.114.

A copy of each non-U.S. document identified on the attached Forms PTO/SB/08A and

PTO/SB/08B is attached, however, in accordance with Official Gazette Notice dated August 5, 2003, copies of the U.S. patents and patent application publications are not attached.

Foreign Patent Document 1 relates to a method for storing substance data obtained by integrating shape and physical property. Document 2 relates to a method for converting 3-dimensional shape data into cell inner data and conversion program. Document 3 relates to a forming method for surface grid of object. Document 4 relates to a method for identifying multimedia data and its program.

Non-Patent Literature Document 1 relates to shape approximating, cube cutting and enumeration. Document 2 relates to enumeration on cube cutting. Document 3 relates to the problems of accuracy and robustness in geometric computation. Document 4 relates to dual contouring of hermite data. Document 5 relates to a topology modifying progressive decimation algorithm. Document 6 relates to decimation of triangle meshes. Document 7 relates to generalized surface and volume decimation for unstructured tessellated domains. Document 8 relates to a data reduction scheme for triangulated surfaces. Document 9 relates to extended octree representation of general solids with plane faces. Document 10 relates to mesh optimization. Document 11 relates to progressive meshes. Document 12 relates to evaluation of memoryless simplification. Document 13 relates to surface simplification using quadric error metrics. Document 14 relates to a solid modeling system free from topological inconsistency. Document 15 relates to hierarchical octree approximations for boundary representation-based geometric models. Document 16 relates to a geometric modeler based on the exact octtree representation of polyhedra. Document 17 relates to a high resolution 3D surface construction algorithm. Document 18 relates to a stable and fast contact search algorithm for FEM simulation of metal forming process. Their relevance is believed to be

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clear from the specification of the present application. Accordingly, no further comment with regard to the disclosures of these documents is believed to be required.

Also attached is a copy of the Search Report issued in the corresponding International application. Foreign Patent Documents 5-7 and Non-Patent Literature Document 19 cited herein were cited in said Search Report, it is believed that the relevancy of each document cited is clear from the Search Report. Accordingly, no further comment with regard to the disclosures of these documents is believed to be required.
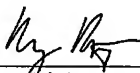
It is respectfully requested that the attached documents be considered and officially cited, and that the Examiner initial a copy of Forms PTO/SB/08A and PTO/SB/08B, and return them to the undersigned to indicate that the documents have been considered.

It is believed that the present Information Disclosure Statement complies with the requirements of 37 C.F.R. §§ 1.97-8, but should the filing of this paper necessitate a fee, the Director is hereby authorized to charge the necessary fee to Deposit Account No. 50-1281.

Respectfully submitted,

GRIFFIN & SZIPL, PC

Joerg-Uwe Szipl
Registration No. 31,799   Roy Roberts
                                54,402

GRIFFIN & SZIPL, PC
Suite PH-1
2300 Ninth Street, South
Arlington, VA 22204

Telephone: (703) 979-5700
Facsimile: (703) 979-7429
E-mail: gands@szipl.com
Customer No.: 24203